

A LIST OF INDIAN BUTTERFLIES.

BY

CAPT. W. H. EVANS, R.E.

(Continued from page 584 of this Volume.)

Genus.	Subgenus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
NEMEOBIDÆ -contd.:		LIBYTHEINÆ - contd.				
Abisara ..	....	echeirus. Stoll.	....	Chamba-As. Centr.	= abnormis, M.	Echerius was described from China, but there are no specimens from this locality in the B. M.; prunosa, the southern form, is larger and brighter; the Burmese forms are very puzzling and possibly abnormis ought to be separated, both were described from South Burma.
			prunosa. M..	S. C.		
			angulata. M..	Naga-B.		
			bifasciata. M.	An.		
			kausambi. Fd.	Mergui.		
Stiboges ..	....	nymphidia. But.	....	Bhut-B.		
PAPILIONIDÆ.						
Papilio ..	(Ornithoptera.)	helena ..	cerberus. Fd.	Sik.-B.	.....	The arrangement of the Papilios is that given by Jordan is the Macrolepidoptera. Moore's subgenera are used for the groups defined by Jordan. The long series of each species kept at the Tring Museum form the basis of Jordan's arrangement; the only alterations I have made are under polytes.
			helia conoides. M.	An.		
		aeacus. Fd.	....	Garhwal-B.		
		minos. Gr. .	....	S.		
		darsius. .	....	C.		
	(Pangera.)	aidoneus. Db.	....	Garhwal- Up. B.		
		varuna ..	astorion. Wd.	Kum-B.		
		zalucus. .	....	B.		
	(Meneles.)	hector. L..	....	Beng-S.C.		
		johann. Gray.	....	C.		
			pandiyana. M.	S.		
		aristolochiæ. Fab.	....	I.		

Genus.	Subgenus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
PAPILIONIDÆ—contd.						
Papilio —contd.	(Menelaides)—contd.	....	goniopeltis. Roth.	B.		
			ceylonicus.M.	C		
			camorta. M.	Ni.		
	(Losaria) ..	coon ..	d o n bledayi. Wall.	B		
			cacharensis . But.	Cach.		
			s a m bilanga. Doh.	Ni.		
		rhodifer. But.	....	An.	might be put as race of coon.	
(Byasa) ..	latreillei . Don.	....		Garhwal- Sik- Up. B.		
		polla. De N...				
		adamsoni. Gr.	....	B.		
		crassipes . Ober.	....	B.		
		nevilli . W. M.	....	Cach.		
		philoxenus. Gray.	....	Kash-Nep.	lama, Ober, is con- fined to W. China. Bing as a var of philoxenus.	
			polyeuctes. Db.	Sik-B.		
		dasarada. M.	....	Sik-As.	Bing as a var of philoxenus.	
			ravana. M. ..	Kash-Kum.	Bing as a separate species.	
			barata, Roth,	B		
		plutonium..	pembertoni, M.	Bhut.		
(Cadugoides.)	agestor. Gray.	....		Sik-B.		
		govindra, M.		Kash-Kum.		
	epycides. Hew.	....		Sik-As.		
			curia ti us , Fruh.	Up B.		
			hypochra . Jor.	S. B.		
	siateri . Hew.	....		Sik-Up B.		
			m a r g inata. Ober.	Shan St.		
			tavoyanus . But.	Ten.		
(Chilasa) ..	paradoxus .		t e l e archus. Hew.	As-B.		
			(d. danisepa. But).			
	clytia. L ..	....		Simab-B. S. C.	.....	Jordan considers the forms of clytia to probably represent local races in the making.
			(v. c a s yapa. M.)	I.		
			(v. lankeswa- ra, M.)	S. C. Ten.		
			(v. commix- tus, Roth.)	Sik-As.		
			(v. o n p a p e . M.)	B.		
			(v. p a p o n e . Wd.)	S. B.		
			(v. j a n u s . Fruh.)	S. B.		
			(d. dissimilis. L.)	I. B. C.		

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<i>PAPILIONIDÆ—contd.</i>						
Papilio -contd.	(Chilasa) -contd.	flavolimbatus. Ober.	An.		
	(Tamera)	castor. Wd.	As		
			polias. Jor.	Sik-Up. B.		
			mehala. Gr.	S. B.		
		mahadeva. M.	....	S. B.		
		dravidarum. W.M.	....	S.		
	(Papilio)	machaon.	asiatica. Mön.	Bil. Chit-Nep.	Sphyrus Hüb. an European variety.	
			(v. ladakensis M.)			
			sikkimensis. M.	Sik-Bhut.		
			verityi. Fruh.	Up. B.		
		xuthus. L.	....	Up. B.		
		demoleus. L.	....	I. Up. B.		
			malayanus. Wall.	S. B.		
	(Charus)	demolion. Cr.	....	Ten.		
			liomedon. M.	S.		
		noblei. DeN	....	B.		
		chaon. Wd.	....	Nep-B.		
			ducenarius. Fruh	Ten.		
		helenus. L.	....	Muss.-B.	.....	Jordan gives sakontala and walkeri as separate species in the helenus (charus) group: of walkeri only one specimen is known and of sakontala very few, but there are also several aberrations of polytes known. that are neither sakontala or walkeri: under the circumstances would it not be better to sink all these specimens as aberrations of polytes. No doubt the male organs of walkeri and sakontala are very different to those of polytes, but is not this rather to be expected with aberrations.
			daksha. M.	S.		
			mooreanus. Roth.	C.		
		iswara. White.	....	Mergui.		
		fuscus.	prexaspes. Fd.	B.		
			andamanicus. Roth.	An.		
		hipponous.	pitmani. El & DeN.	S. Ten.		

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PAPILIONIDÆ—contd.						
Papilio— contd.	(Laertias)...	polytes ..	romulus Cr.	I. B. C.	=sakontala Hew, Jordan	confines polytes to China giving the Indian race as romulus, the name under which the hector like females were described, while polytes was used for the aristolochiae like females. I propose here to employ stichius for the latter form of female though up to the present it has only been used for the females of this form that have no spot in the cell of the hindwing. The female resembling the male stands as cyrus.
			(Female d. cyrus. Fab.) (Female d. stichius Hüb) nikobarus. Pd. (Female d. stichioides. Ev).	An. Ni.		
	(Iliades) ..	polymnestor Cr.	.....	Sik-S.		
			parinda M.	C.		
		mayo. Hew.	.....	An.		
		memnon ..	agenor. L.	Sik-B.		
		protenor Cr	.....	Kash-Kum. Sik-B.		
			euprotenor. Fruh.			
		rhetenor Wd.	.....	Kum-B.		
			(Male v. leucocelis. Jor.)	....	Form with a dorsal white patch on the forewing above.	
	(Mimbyasa) janaka. M.	....	.....	Muss-Sik.	.....	Moore places janaka and bootes in Byasa with latrellei, etc: I propose Mimbyasa as the sub-genus for these two species.
		bootes. Wd.	....	As.		
	(Achillides)	elephenor. Wd.	....	Up. As. Naga.		
		dialis ..	schanus. Jor.	S. Shan St.	=doddsi. Janet, Tonkin, described from Tonkin.	
		bianor ..	gladiator. Fruh.	S.B.	.....	Seitz records P. demetrius Cr. (=carpenteri but) from N. India, but this seems to be an error.
		polyctor Bdl.	....	Chit-Nep.		
			ganesa. Db.	Sik.		
			triumphator. Fruh.	As.		
			significans. Fruh.	S. B.		
	paris. L. ..	....	.....	Kum-B.		
			tamilana. M.	S.		
	arcturus. Wd.	....	.....	Nep-B.		
			arius Roth ..	Kash-Kum.		
	krishna M.	....	.....	Sik-Up. B.		

Genus. Sub-genus. Species. Race. Locality. Synonyms, &c. Notes.

PAPILIONIDÆ
-contd.

Papilio -contd.	(Achillides)	crino, Fab.	....	Beng. S.	montanus, Fd. an. ab.	
		fruhstorferi, Rob.	....	C.		
		b u d d h a , Wd.	....	S.		
		palinurus, Fab.	....	B.		
	(Pathysa) ..	eurous ..	cashmirensis, Kash-Kum. Roth.			
			Sikhi m i c a. E. Kum-As. Heron.			
		glycerion, Gray.	....	Sik-up B.		
		agetes, Wd.	....	Sik-B.		
		n o m i u s, Esp.	....	Sik-S. C.		
		swinhoei, M.	....	Up As-B.		..
		aristeus ..	a n t i c r a t e s, Db.	Sik-As.		
			hermocrates. Fd.	B.		
		antiphates, p o m p i l l i u s, Fab.	....	Sik-B. S.	antiphates, Cr., China, alcibiades, Fab., Java.	..
		naira, M. ..	....	Trav.		
		ceylonicus, Eimer.	....	C.		
		epaminondas, Ober.	....	An.		....
	(Meandrusa) gyas, Wd. . .	....	....	Sik-As. SB.		
		aribbas, Fruh.	....	Up. B.		
		payeni ..	evan, Db.	Sik-As.		
		amphis, Jor.	....	B.		
	(Zetides) ..	cloanthus, Wd.	....	Kash-B.		
		sarpedon L,	....	Him-B.		
		teredon, Fd.	....	S. C.		
		doson, Fd.	....	C.	Jordan, sic; he rejects jason, L.	Jordan separates eurypylus and doson on the male organs; superficially eurypylus differs in that on the underside of the hindwing the dark sub-costal band is usually posteriorly united to the dark sub-basal band and does not end inside the silver band; if the two dark bands are not united the basal margin of the silver band is notched at the sub-costal vein. There are several specimens of cheronus in the B. M. over the label "acheron, Fruh."
		eleius, Fruh.	....	S.		
		axion, Fd.	....	Kum-B.		
		eurypylus..	cheronus, Fruh.	Sik-B.		
			macronius, Jor.	An.		
		bathycles ..	chiron, Wall.	Sik-B.		
		agammem- non, L.	Kum-B.		
			menides, Fruh.	S. C.		
			andamana, Lathy.	An.		..

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PAPILIONIDÆ						
" —contd.						
Papilio —contd.	(Zetides) —contd.	decoratus, Roth.	Ni.		
	(Parantheis) copsis).	macareus..	indicus, Roth.	Sik. Bhut.		
			lioneli, Fruh.	As.		
		xenocles, Db.	gyndes, Jor.	B. As		
			phrontis, De N.	E, Kum.- Bhut.		
			kephisos, Fruh.	B.		
		megarus, Wd.	....	Sik.-B.		
			similis, Lathy.	Shan. St.		
Leptocir- cus.	....	curius, Fab.	....	Naga H.-B.		
		meges ..	virescens, But.	B.	meges, Zink, Java.	
			indistincta, Tytler.	Naga H.		
Teinopal- pus.	....	imperialis, Hope.	....	As.-Up. B.		
			himalaicus, Roth.	Nep.-Bhut.		
			imperatrix, De N.	Taungoo.		
Armandia.	....	lidderdali, Atk.	....	Bhut.-Up. B		
Parnassius.	(Parnas- sius).	jacquemontii, Bdl.	....	Kash.-Kum	=himalayensis, El. Stichel gives Parnassius stub- bendorfi tartarus from Kashmir out the locality seems very doubtful.	
			impunctata, Aast.	Sik.		Fruh. gives the Sikkim form of jacquemontii as himalayensis, but this name was used by Elves for what is now called jacquemontii: the only form described from Sikkim is im- punctata; there are no Sik- kim specimens in the B. M.
			chitralensis, M.	Chit.		
		cranus, Ober.	....	Kash.-Kulu.		
			sikkimensis, El.	Sik		
		hardwickii, Gray.	....	Chit.-Kum.		
			viridicans, Fruh.	Sik.		
	(Koramius).	delphius ..	chitralica, Verity.	Chit.	hunza. Cr., Hindu Khush.	
			stenosemus, Hon	Kash.		
			stoliczanus, Fd.	Lad.-Kulu.	atkinsoni, M. a fe- male ab or var.	
			lampidius, Fruh.	Sik.	=whitei, Bing.	
	(Tadumia).	acco, Gray.	....	Lad		
			gemmafer, Fruh.	Sik.		
		simo, Gray.	....	Lad,		
			accous, Fruh.	Sik.	=moelleri, Bing.	
	(Kailasius).	charltonius Gray.	....	Chit-Sik.		
		imperator.	augustus, Fruh.	Sik.		
Hyperme- nestra.	helios ..	maxima, Lang.	Bal.	=balucha M. heli- os, Nick., Persia.	

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PIERIDÆ.						
Leptosia	xiphia, Fab.	I. B.		The arrangement of the Pieridæ differs little from that given by Bingham. Ixias is placed after Appias.
		nicobarica ..	Ni.			
Delias .. (Piccarda).	agostina, Hew.	....	Sik.-B.	Fruh. sep infumata, As-B.	
	singhapura	agoranis, Gr.	S, Ten.			
	hyparete ..	hierte, Hüb...	E. Kum-B.			
		ciris, Fruh...	S. Ten.	metarete But., Ma- lay Penin.		
		ethire. Doh..	Beng-N Ma- dras.			
	eucharis, Drury.	....	I. B. C.		
	descombesi	leucacantha, Fruh.	Sik.-B.	descombesi, Bdl, Co- chin China. Fruh. sep female vars auriga and leuco- gæa.		
(Delias) ..	belladonna, Fab.	....	Kulu-Kum.	.....	The forms of belladonna are puzzling: typical belladonna occurs throughout its range, but from Sikkim Eastwards it is rare; ithiela being the common form: sanaca flies with belladonna in the W Himalayas and so cannot be regarded as a seasonal form, it grades to belladonna and so cannot be regarded as a separate species though considered o
		(v. sanaca, M.)				
		ithiela, But.	Sik.-B.	Fruh. sep berinda M., As and pers- pica Fruh., Up. B.		
		aglaia, L...	....	Sik.-B.	
		beata, Fruh.	Ten.			
	thysbe ..	pyramus, Wall.	Sik.-B.			
		kandha, Doh. N. Madras.	thysbe, Cr., China.			
Prioneris..	....	thestyli, Db.	....	Muss-B.	
		jugurtha, Fruh.	Ten.			
	sita, Fd. ..	....	S. C.		
		elemanthe, Db.	....	Sik.-B.	
Anaphaeis..	....	mesentina, Cr.	....	I. Ni.	
		taprobana, M.	C.			
Baltia	shawii, Bates.	Chit-Lad.	I have seen a Baltia caught in Sikkim: it is very close to butleri. The Indian form of shawii is larger and lighter than Central Asian specimens but the B. M. material is very scanty.
		butleri, M.	....	Lad.	
		sikkima, Fruh.	Sik.			
Aporia .. (Aporia) ..	soracta, M.	Kash.-Kum.	?=denigrata. Fruh. Pun!, N.W.F.		

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PIERIDÆ—contd.						
Aporia —contd.	(Aporia) —contd.	leucodice.	balucha, M...	Bal-Chit.	A. leechii is a good race of balucha and has nothing to do with soracta. In the B. M. as female balucha are placed several yellow butterflies caught by me in Chitral in quite different localities to those frequented by balucha: they are in fact a form of nabellica and I propose to call them <i>hesba</i> : they vary from nearly white to lemon yellow, more or less dusted with black scales but never so profusely as nabellica often is: the hindwing is rarely dusted with black scales.
			leechii, M. . .	Hunza-Lad.		
		nabellica, Bdl.	....	Kash-Kun.		
			hesba, Ev. . .	Chit.		
		larraldei ..	harrrietæ, DeN.	Bhut.		
(Metaporia)		agathon, Gray.	....	Nep-As.		
			phryxe Bdl. . .	Kash-Kum.		
			(v. caphusa, M.) (v. ariaca M.)			
Pieris	.. (Pieris)	.. brassicæ, L.	....	Chit-As.		
		deota, DeN.	....	Kash-Lad.		
		canidia, Sparr.	....	Chit-up B.	.....	In the B. M. the series of canidia from S. India presents a different appearance to the numerous specimens from N. India, though it is not easy to put the difference in words: the Southern form is larger with the black markings more developed especially those on the margin of the hindwing. I propose to call this race <i>canis</i> .
			canis, Ev. . .	S.		
		naganum, M.	....	As-up B.		
		rapae, L. . .	....	Chit Lad.		
		melete ..	ajaka, M. . .	Kash.-Up B.	=montana, Verity (E form) melete Men.-China.	Pieris is here extended to embrace certain closely allied genera. melete from China is a large and very distinct form: Indian specimens present a lot of variation, dry season Kashmir specimens being very like napi: melaina from the Chumbi valley is very distinct, but the Eastern form separated by Verity as montana resembles the form from Mussorie, etc., very closely.
			melaina, Rüb.	Sik- (Chumbi). Bal-Chit Lad.		
		krueperi ..	devta, DeN. . .	Bal-Chit Lad.		
(Parapieris)		callidice, Esp.	....	Chit-Garh- wal.	Rüb, Indian race as kalora M.	
		chumbien- sis, Den.	Sik- (Chumbi). Bal-Chit- Lad.		
(Pontia)	..	daplidice, L.	Rüb, Indian race as moorei.		

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PIERIDÆ—contd.

Pieris— contd.	(Pontia —contd. (Synchloe),	glaucome, Klug. chloridice, Hüb.	Bal-Chit. Panj. Chit-Lad.	Recorded from Kumaon but prob- ably an error.	
		belia	.. daphalis, M..	Chit-Kuna- wur, Panj.		
	(Anthocalla, But. ris).	lucilla, But.	....	Panjab.		
Huphina ..	....	nerissa	.. phryne, Fab.	Nep-As.	nerissa Fab. China.	
			evagete, Cr..	I. C.		
			dapha, M. ..	As.-B.		
			lichenosa, M.	An.		
		nadina, Lucas.	....	Sik.-B.,		
			remba, M. ..	S.		
			cingala, M. ..	C.		
			andamana, Sw.	An.		
		lea, Db. ..	....	S. B.		
Appias ..	(Tachyris)..	nero.	.. galba, Wall ..	Sik-B.	nero Fab. Java.	
			figulina, But.	Ten.		
	(Appias) ..	lyncida	.. hippoides, M.	Kum-B.	-Orissa.	
			latifasciata, M.	S.		
			taprobana, M.	C.		
			nicobarica, M.	Ni.		
		libythea, Fab.	....	Panj-Sik- S. C.		
			zelmira, Cr.	As.-B. Beng.		
(Catophaga)		albina	.. confusa. Fruh.	Sik.-B. Beng.	albina, Bdl, Moluc- cas.	The arrangement of the Cato- phaga and Hyposeritia sections of Appias is exactly as given by Fruhstorfer: no doubt the series on which it is based is better than the poor one in the B. M. He states that the melania group differs from the melania group in that the melania males have a broader grey apical patch, formed of big diffused spots. I have placed wardi as a race of melania.
			(female v. se- miflava. Fruh).			
			swinhoei, M.	Centr.-S.		
			venusta, M.	C.	neomba, Bdl, Sumatra.	
			(female flava. Röb.)			
		melania ..	darada, Fd.	Sik-As		
			adamsoni, M.	B.		
			wardi, M.	S.		
			yaksha, Fruh.	Poona Dist.		
			paulina Cr.	C.	=lankapura M., galene, Fd. fasciata, Fruh., an ab.	

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PIERIDÆ.— <i>contd.</i>						
Appias. — <i>contd.</i>	(Catophaga) — <i>contd.</i>	melania— <i>contd.</i>	galathea, Fd.	An.-Ni.		
	(Lade)	.. lal a s s i s Gr. S.	...	S. B.		
	(Hyposcri- tia.)	indra, M...	...	Nep.-B. Beng. Poona Dist. S.		
			shiva, Sw. statilia, Fruh. narendra, M.	C.		
		lalage, Db,	....	As.-Naga Hill.	.....	These races of lalage are not very satisfactory: typical durvasa and lalage differ, but both forms meet in Sikkim.
			durvasa, M.	Kulu-Sik.	=pseudolalage, M. confluens Fruh., an ab.	
			argyridina. But. lagela, M.	B. S. B.		
Saletara ..	....	panda ..	chrysea. Fruh.	Ni.		
Ixias ..	....	pyrene ..	rhexia, Fab..	Kulu-Up-B.	pyrene L., and evippe, Dr., China.	The forms of Ixias are very puzzling and I hope the arrangement given will prove satisfactory: rhexia is the large hill form with a white female and grades with pirenasse the plains form: in South India the prevailing form of male is very like cingalensis, but Ceylon females have the base of interspace 3 yellow. South Indian females are very variable. Latifasciata, the South Burma race, has a very pale dry season form (=pallida, citrina, M.) which Bingham treated as a separate species.
			pire n a s s a, I.B. (plains) Wall. cingalensis, M.	C.	Fruh.gives females vars conectens and nivescens.	
			latifascia t a, But. andamaua, M.	S. B. An.		
		maria n e Cr.	....	Kum-S. C. .. Mahables- war.		
Dercas ..	....	verhueli ..	doubleda y i, M.	Sik-Bhut.	verhueli, H o e v, China.	
			pallidus, Fruh	As.-B.		
		lycorias, Db.	....	Sik.-As.		
			(v. decipiens, DeN.)	....	=brindaba, Sw. ..	
Gonepteryx	rhamni ..	nepalen s i s, Db.	Chit-Up-B.		
		zaneka, M.	..	Kash-Kum.		
			zanekoid e s, DeN. chitralensis, M.	Up-B. Chit.		

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PIERIDÆ-contd.						
Datopsilia.	pyranthe, L.	I. B. C.		
		fiorella, Fab.	I. B. C.		
		crocale, Cr.	I. B. C.	Fruh. gives many forms of male and female varieties of crocale and pomona but they hardly seem worth retaining; Mr. Bell has proved that these two species have distinct larvæ.
		pomona, Fab.	....	I. B. C.		
		scylla, L...	....	S. Ten.		
Colias	hyale ..	lativitta, M.	Bal-Chit-Kum.	hyale L., erate Esp. Europe.	Röber treats erate and hyale as separate species: Fruhstorfer unites them: lativitta is the erate form which grades with glicia, the hyale form with the spotted border: pallidus is the white form of female.
			(male v. glicia, Fruh.) (female d. pal- lida, Röb.) (h. chrysodo- na, Bdl.) nilagiriensis, Fd.	Bal-Chit. S.		
		ladakensis, Fd.	....	Kash-Muss.	.....	I believe that thrasibulus and ladakensis will eventually prove to be races of the same species. Fruh. described phicomone phila from a single male from Kashmir; he has since found that the locality was erroneous.
		berylla, Faw.		Sik.		
		cocandica,	thrasibulus, Fruh.	Lad.		
		alpherakii,	chitralensis, Verity.	Chit.		
		wisko tti, Std.	....	Chit.		
		dubia, El..	....	Sik.	=? miranda, Fruh.	
		stoliczana, M.	....	Kash-Lad.	? race of eogene ..	
			miranda, Fruh.	Sik.		
		eogene, Fd.	....	Chit-Kum.	.....	The eogene group is very puzzling: in the B. M. there are series of eogene from Chitral and Baltistan, agreeing "fairly" well: from the same districts in Ladak there are numerous specimens arranged as leechii Gr. and stoliczana but the forms seem to grade: miranda first recorded by Fawcett as leechii (hence Swinhoe giving Sik. as a locality for the latter) is a very unsatisfactory form, vide Elwes' remarks when describing the form dubia, which probably = miranda. I believe that all are forms of eogene.
			(female d. ca- na, Röb. leechii, Gr..	Lad.	? var of stoliczana.	
		fieldii, Mén.	....	As-Up-B.	.....	The eastern form of fieldii is just like the Chinese form, i.e., true fieldii.
		edusina, But.		Chit-Sik.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
PIERIDÆ—contd.						
Terias	.. (Kibreeta)	libythea, Fab.	....	I. B. C.	Fruh. sep fruhstorferi M., As-B.	
	(Nirmula)	venata, M.	....	I. B. C.	Fruh. sep rama M., S. C. and sikkimica M., Sik B.	
		laeta, Bdl.	....	I. B.	Fruh. sep pseudolacta M., Ten.	
(Terias)	..	hecabe, L.	....	I. B. C.-An. Ni.	.....	Fruh. separates hecabe and silhetana (given as a race of blanda) into a number of races in Lepidoptera Indica 28 "species" are given. I do not see that any good purpose is served by retaining any varieties or races except moorei, whose d.s.f. is as typical silhetana.
		silhetana, Wall.	....	Sik.-B. S. An.	Fruh. as race of blanda M., Java = ? hecabe.	
		moorei, But.	....	Ni.		
		andersoni, M.	....	Muss.-B. C.		Andersoni certainly occurs in Sikkin, though Bing. doubted it. Sari is recorded from S. India and Ceylon: the only specimens in the B. M. marked as such are two from Ceylon which may be andersoni, but are certainly not sari.
		sari, Hors.	....	Ten.	Fruh. Indian race as sodalis, M.	
(Gandaca)	..	harina	..	assamica, M. Beng. Sik-burmana, M. up B. andamana, M. S. B. Ten. An.		
Colotis	.. (Colotis)	.. calais, Cr.	....	Panj. Sind, Cutch.	=dynamene, Klug.	amatus constantly differs from calais in that the black spot on the margin near the dorsum is not detached and quadrate. The dimorphic white female of amatus does not seem to have been named: I propose to call it <i>albina</i> . I have omitted phisadia, God., as the only record of it is one specimen from Mooltan, which very likely was a hybrid between vestalis and protractus: similar hybrids have been recorded from Karachi. :
		amatus, Fab.	....	I. C.	=modesta, But., cypræa, Fab.	
		(female d. albina, Ev.)	....		
		protractus, But.	....	Bal.-Panj. Cutch.		
		vestalis, But.	....	Bal. Panj.-Central I.	=puellaris, intermissus, But.	
(Madais)	..	fausta, Oliv.	....	Bal. Panj.-Bombay.		
		fulvia, Wall.	....	S. C. Beng.	=tripuncta, But.	
(Callosune)		etrida, Bdl.	....	I.		
		limbata, But.	....	C.		
		eucharis, Fab.	....	Centre I.-S. C.		
		danae, Fab.	....	Bal.-S. C. Central I.	=subrosens, S.W., dulcis, But.	The form of danae from Sind is almost worth separating.
Hebomoia	..	glaucippe, L.	....	Nep.-B.		
		australis, But.	....	S. C.	=ceylonica Fruh., C form-	glaucippe and australis seem to both occur in S. India.
		roepstorfi, W.M.	....	An.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
PIERIDÆ—contd.						
Pareronia.	...	avatar, M.	....	Sik.-B. Ten.		
		parav a t a r , DeN.				
		valeria ..	hippia, Fab..	I. B.	.....	Typical ceylanica (a w. s. f.) is confined to Ceylon; its. d. s. f. fraterna (=spiculifera) occurs in S. India and Ceylon, while in certain parts of S. India it seems to grade with hippia. Pingasa seems to be a w. s. f. confined to S. India. I believe that pingasa and ceylanica are races of the same species and possibly hippia may eventually turn out to be conspecific. More dated specimens from all districts are wanted, Naraka presents certain constant, though small, differences.
			(female v. livilla, Fruh.)			
		pingasa, M.	....	S.		
			naraka, M. ..	An. S. C.	= fraterna, spiculifera, M.	
		ceylani c a , Fd.	....		
LYCÆNIDÆ.		GERVINEÆ.				
Gerydus	symethus.	....	Ten.		
		Cr.				
		boisduvalii, M.	....	Sik.-B.	= irroratus, Druce, Siam.	
			longeana.	Up B. (dry zone).		
			DeN.	As.		
		assamensis. Doh.	....	Ten.		
		ancon, Doh.	....		
		croton, Doh.	....	B.		
		biggsii, Dist.	....	B.	= gopata, DeN.	
Allotinus..	drumila M.	....	Sik.-As.		
		subviolaceus, Fd.	....	S. B.		
		horsfieldii, M.	....	As.-B.		
		taras, Doh.	....	S. B.		
		panormis, El.	....	Karen. H.		
		nivalis, Druce.	....	Ten.		
		multistri- gatus, DeM.	....	Sik.-B.		
Logania	marmorata, M.	....	S. B.		
			watsoniana. DeN.	Up. B.		
			massalia. Doh.	Up.As.		
LYCÆNIDÆ.		LYCÆNINEÆ.				
Pithecopis .		hylax, Fab.	....	Sik.-B.	.....	In the arrangement of the Lycaeninae Bingham has more or less been followed; Swinhoe's arrangement is very different.
		fulgeus. Doh.	....	As.		
Neopithe- -cops.		zalmora. But.	....	I. B. C.		
Spalgis ..		epius, Wd.	....	I. B. C.		
		nubilus, M.	....	An.-N. I.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
LYCÆNIDÆ,—contd.		LYCÆNINÆ—contd.				
Taraka ..	....	hamada, Druce,	....	Sik.-B.		
Megisba ..	....	malaya, Hors.	....	....
Una ..	....	usta, Dist.	....	Naga H.		
Cyaniris ..	(Notarthritis).	vardhana. M.	....	Kash-Kum.	.....	Dr. Chapman in P. Z. S., 1909, I. p. 419 gave a revision of the genus "Lycænopsis" (vice Cyaniris rejected) based on the male organs; lilacea was unfortunately omitted: with a few alterations Dr. Chapman's arrangement is here followed.
		musina ..	musinoides, Sw.	Khasi- Ten.	musina, S n e l l, Java.	The Javan musina is distinct enough, but without examining the male organs I do not see how musinoides is to be distinguished from jynteana. Binghami can be recognised by the even wide dull brown border, below it is very like jynteana.
		bingnami, Chp.	....	B.		
(Cyaniris),		nielaena, Doh.	....	S. Ten.		
		marginata, DeN.	....	Kum.-B.		
		akasa, Hors.	....	S. C.		
		alboæru- lea, M.	....	Simla-Up B.		
		transpecta, M.	....	Sik.-B. Ni		
		lilacea, Hamp.	....	S.		
		puspa, Hors.	....	I. B. C. An.	.....	Dr. Chapman states that placida and jynteana are races of limbata; I have seen the specimens he examined and each of the so called jynteana I would have identified as placida: Moore's type of jynteana from the Khasi Hills (I have not seen DeN's type) and of sikkima from Sikkim are forms of argiolus and I am sure that an examination of their male organs would confirm this.
			cyanescens, DeN.	Ni.		
		albidisca, M.	....	S.		
		dilecta, M.	....	Simla-Up. B.		
		lanka, M.	....	C.		
		limbata, M.	....	As. Beng- S. C.		
		placida, DeN.	....	Sik.-B.		
		argiolus ..	coelestina, Koll.	Chit-Kum.	=puspargiolus, bo- thrinoides, albo- cœruleoides Chap. ? parrishii, Rhc Philip- pe. sikkima. M.	Jynteana is a very variable form: I do not think that Dr. Chapman's varieties are worth retaining: Victoria is, I think, a d s. l. form "greyed over": I have seen similarly "greyed over" specimens of puspa, dilecta and placida.
			jynteana, DeN.	Sik.-Up. B.		Parrishii probably = Jynteana (or ? musinoides or binghami) in a difficult group like this to describe a new species from a single specimen without even examining the genitalia is inadvisable.
		(v. victoria, Sw).	....	....		I have specimens of imbata from Assam.

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.,	Notes.
LYCÆNIDÆ—contd.		LYCÆNINÆ.—contd.				
Cyaniris	(Cyaniris)	huegeli, M.	....	Kash-Kum.	.....	Dr. Chapman states that huegeli is conspecific with celestina: I have left them separate for the present: it is not a case of seasonal variation but may be dimorphism. Breeding experiments are necessary. Huegeli does not occur in Chitral though celestina is common. I place oreana and singalensis here: in size, etc., they are very like huegeli.
		oreas	.. oreana, Swin.	Khasi.	oreas=Leech, China.	
		singalensis.	....	C.		
	(Bothrinia)	chennellii, Fd.	....	As-Up. B.		
Lycæna	(Plebeius)	christophi, DeN.	.. samudra, M.	Chit.-Kash.	=bracteata=But.	L. bracteata is given by Scitz separately as a race of argyrognomon, Berg., the type specimen is an exact synonym of samudra. The Chitral form of samudra differs in having the discal spots on the forewing below very enlarged.
		loewii, Zell.	....	Chit.		
		chamanica, M.	....	Bal.		
		cytis, Lang.	....	Chit.	.....	The Chitral form of cytis is typical; the form of iris is rather darker than the typical form from Alai.
		iris, Std.	....	Chit.		
(Scutilanti-	baton	.. cashmirensis, M.	Bal.-Chit.-Kash.		=vicrama, M. hy-las Esp is a different species.	
(Latiarina)	orbitulus..	jaloka, M.	Kash.			
		leela, DeN.	Lad.		=ellisi, DeN.	The Chitral form of orbitulus is very different to jaloka and leela, being more like the European form: the male above is a brilliant shining light blue green, the outer margin being rather broad, there are no white spots above, the spot at the end of the cell is black; the female is brown with a white encircled black spot at the end of the cell and some obscure white postdiscal spots: it is larger than jaloka. I propose to call it walli after Maj. F. Wall, I. M. S., who obtained a good series at 12,000 feet in July 1910.
(Albulina)	pheretes	.. lehana, M.	Chit.-Sik.		.....	L. pheretes lehana and asiatica occur together in Sikkim.
	asiatica, El.	....	Sik.			
(Lycæna)	..	metallica, Fd.	....	Chit.-Lad.	.....	As pointed out by Swinhoe, metallica and omphissa are separate: Chitral specimens of metallica are not so green as the typical form.
		omphissa, M.	....	Lad.		I have used Swinhoe's subgenera with addition of Tiora and Brima (vice Polyommatus): Tiora is for the simple eyed section with metallic spots on the hindwing below: a new subgenus is perhaps required for sebrus.
		galathea, Blanch.	....	Chit.-Kum.		
		youngh u s-	....	Sik.		
		bandi, El.	....		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes
LYCÆNIDÆ—contd.						
LYCÆNINÆ—contd.						
Lycæna	.. (Aricia)	.. astrarche, Berg.	....	Bal.-Chit.- Kum.	=medon, L.	
—contd.		eumedon. Esp.	....	Chit, Gilgit	=antiqua Std., jer- myni, Sw.	In Chitral typical eumedon and antiqua fly together and inter- grade.
	(Bryna)	.. stoliczana, Fd.	....	Chit.-Sik.	=ariana M. dra- sula, Sw. sotleja, and pseuderos, M.	I believe only one stoliczana like species flies in India, of which balucha is a race; Seitz gives eros sotleja and balucha; stol- liczana and icarus are very variable but cannot, I think, be further separated into well defined races or varieties.
			balucha, M.	Bal.	usually as a race of eros Och's.	
		icarns, Rott.	....	Bal.-Chit.- Lad.	=persica, Bien. : fugitiva, Bnt. : chitralensis, Sw. : drunela, Sw.	
	(Tiora)	.. sebrus	.. shandura, Ev.	Chit.	sebrus, Bdl., Cen- tral Asia and Eu- rope.	L. shandura is, I think, a race of sebrus, Bdl.: it differs however in having obscure metallic spots near the anal angle of the hindwing below: shan- dura is smaller than sebrus, dull dark blue above, below the spots are very small and regular and arranged just as in sebrus,
		devanica, M.	....	Chi.-Lad.		L. devanica is a large species with the blue colouration on the forewing very reduced and a black female: it flies at 8000 feet in Chitral with sar- toides. On the Shandur Pass (12000 feet) there flies a third form very similar to devanica differing in being much smal- ler (size of iris) and in having the blue colour above extend- ed to the margin. I propose to call it <i>gracilis</i> : the cilia are chequered as in devanica.
	(Phengaris)	sarta	.. gracilis, Ev.	Chit.	sarta Alph, Turkes- tan.	
		atroguttata Doh.	sartoides, Sw.	Chit.	.....
		....	....	Naga, Chin- H.		
Chilades	..	....	laius, Cr...	....	I. B. C.	
			trochilus, Frey.	....	N. I.-B.	I am not sure that I have got the distribution of trochilus and putli quite right.
			putli, Koll. ..	Centr. I. S. C.		
Zizera	..	....	maha, Koll.	....	N & Centr. I.-Up. B.	The arrangement of Zizera is more or less in accordance with Butter's revision (P.Z.S. 1900): in separating ossa I follow Swinhoe who states that its genitalia differ from those of maha. I am not sure that I have given the distribution of opalina, otis and indica correctly.
			ossa, Sw. ..	S.		
			opalina, Pouj.	S. B.	=zera, Faw. : mar- ginata, Pouj.	
		lysimon, Hub.	....	I. B. C. Ni.	? better as lysimon karsandra M.	
		gaika, Fab.	....	I. B. C. An.		
		otis, Fab.	....	N. I.-B. Au.		
		indica, Mur- ray.	....	Centr. I.- S. C.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.,	Notes.
LYCÆNIDÆ—contd.		LYCÆNINÆ—contd.				
Iveres	argiades ..	dipora, M.	N. I.-Up. B.	=diporides, C h p. argiades, P a 11- Europe.	Dr. Chapman (T.E.S. 1908) states that argiades and parrhasius have different clasps and describes a third species, diporides, from Mandi (N.-W. Him). Swinhoe gives these 3 forms and also dipora as distinct species. Seitz only gives parrhasius as Indian.
				parrhasius, S. C.		
				potanini, Fab.	S. B.	
				kala, Alph. DeN.	As.	
				moorei, Leech.	As.	There are a few specimens of E. moorei in the B.M. from the Khasi Hills (DeN. recorded it also, J.A.S.B. 1894): the Assam form differs from Chinese specimens in being smaller and darker, also the spots below show distinctly through above. Seitz puts moorei in Lycæna; in appearance it is more like a Cyaniris or Chiladas.
Calicada	nyseus, Guér.		S. C.	.....
				khasiana, Sw. As.-Up. B.	= khasia Druce.	Burmese specimens of nyseus differ a good deal from S. Indian specimens but Khasi specimens seem very much the same.
Catachry- sops-	strabo, Fab.		I. B. C. An. Ni.		In J.A.S.B. 1895 DeNicéville considered C. strabo and lithargyria to be separate species; Swinhoe keeps them separate.
				lithargyria, M.	As.-B. C. An.	
				pandava, Hors.	I. B. C.	.....
				onejus, Fab.	I. B. C.	
Azanus	ubaldus, Cr.		I. B. C.		
				uranus, But.	I.	? d.s.f. of ubaldus.
				jesous .. gamra, Led.	I. B. C.	jesous, Guér. Africa.
Tarucus	theophrastus, Fab.		I. C.		
				venosus, M.	N.-W. Him.	? worth separating.
				plinius, Fab.	I. B. C.	
Castalius	rosimon, Fab.		I. B. C. An. Ni.		
				ananda, DeN.	Sik.-B. S.	
				ethion, Db. and Hew.	As.-B. S. C.	
				airavati, Doh.	Ni.	
				roxus, God.	S. B. An.	
				roxana, DeN.	Up. B.	
				manluena, Fd.	Ni.	

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
LYCÆNIDÆ—contd.		LYCÆNINÆ—contd.				
Castalinus —contd.	decidia, Hew.	....	Sik.-B. Centr. I. S.		
		elna, Hew.	....	Sik.-B. Oriss. An.		
Niphand a.	cymbia, DeN.	....	Sik.-As.		
Orthomiella.	marcia, Few.	....	B. Sik.-B.		
Lycænesthes.	pontis, El. emolus, God.	....	Sik.-B. Beng. N. Kan. An.	.....	The representative of <i>L. emolus</i> in the Palni Hills is very distinct, and I propose to call it <i>topa</i> ; it is smaller than <i>emolus</i> , the border is broader on the forewing; below the bands are filled in with darker colouring as in <i>Nacaduba celestis</i> , the markings are more regular, the discal band on the forewing is formed of almost separated spots, that in space 4 being transverse; the marginal lunules are prominent; the sub-anal ocellus is all black and there are 2 small black spots at the anal angle; the ciliated tails seem absent. I have one specimen and there is one specimen in the Bombay N. H. S. museum.
			topa, Ev.	.. Palni, H.		
Nacaduba,	lycænina, Fd.	....	Sik.-B. Beng. S. C.		
		viola, M. . .	....	Sik.-B. S. C. An.		
		Kerriana, Dist.	....	S. B.		
		macropthalma, Fd.	....	Sik.-B. S. C. An. Ni.	.....	I have only seen <i>macropthalma</i> from Sikkim, Up. Burma there seems to be a good deal of confusion between this species and <i>pavana</i> : the small andaman form of <i>pavana</i> is nearest the battered relics of Horsfield's types. The common S. Indian species of this type is nearer true <i>pavana</i> than to <i>macropthalma</i> . DeN and Bing. do not give <i>pavana</i> from South India or Ceylon.
		pavana, Hors.	....	Sik.-B. S. C. An.	according to Swin. this is Felder's hermus.	
		bhutea, DeN.	....	Sik.-Up. B.		
			kodi, Ev.	.. Palni H.		
		ancyra, Fd.	....	As.-B. Ni.		
		dana, DeN.	....	Kum.-B. Beng. S.		
		hampsoni, DeN.	....	Muss. C. I. Nilgiris.		
		sivoka, Ev.	....	Sik. B. An.	There are specimens of this in the B. M. from Bhutan, Tenasserim and Malacca.	
		nora, Fd...	....	I. B. C.	adima, Rhé Phil. I an ab.	I believe with various other writers that <i>nora</i> and <i>noreia</i> are separate species; <i>nora</i> the tailed form, is often yellow below.
		noreia, Fd.	....	I. B. C.	=ardates, M.	
		celestis, DeN.	....	Kum.-Up. B.-An.		
		atrata, Hors.	....	Sik.-B. S. C. Ni.	=kurava, prominent, M.	

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
LYCÆNIDÆ—contd.		LYCÆNINÆ—contd.				
acaduba —contd.	....	plumbeo- micans, WM and DeN.	....	Sik.-S. C. An.	.....	There seems a good deal of confusion between atrata and plumbeomicans; DeN. gave the latter from S. Burma and the Andamans; Swin. and Bing. extended the range to Sikkim. In S. India 2 species certainly occur and one seems to be plumbeomicans or a race of it. N. atrata was described from Java and prominens from Ceylon is certainly a synonym; the types of kurava seems to have disappeared.
		nicobarica,...		Ni.		
ampides..	....	bochus, Cr.	....	I. B. C. An.	.....	Swin. gives conferenda, But., as a separate species; I am convinced that it is only the dry season form of celeno.
		nicobarica, WM. and DeN.		Ni.		
		coruscans. M.	....	C.		
		lacteata, DeN.	....	C.		
		subdita, M.	....	Ten.		
		pura, M.	..	As.-B.	Swin. as cleodus, Fd.	L. cleodus is a Philippine insect; it is a different butterfly from pura but the forms may be conspecific.
		celeno, Cr.	....	I. B. C.	=conferenda, But.	
		kinkurka, Fd.		Ni.		
		cœrulea, Sw.	....	As.-B.	=bochides, DeN.	
		elpis, God.	....	I. B. C.		
		kankena, Fd.		Ni.	=rogersi, Bing.	
		kondulan a. Fd.	...	Ni.		
Polycammatus.	....	boeticus, L.	....	I. B. C. An. Ni.		
LYCÆNIDÆ.		PORITIINÆ.				
Poritia .. (Poritia).		hewitsoni. M.	....	Kum.-As.		
		tavoyana, Doh.		As.-B.	=geta, Faw.	
		sumatræ, Fd.	....	S. Ten.		
		pleurata, Hew.	....	S. B.		
		phraatica, Hew.	....	S. B.		
		erycinoi- des, Fd.	....	Up. B.		
	(Simiskina).	phalia, Hew.	....	Ten.		
		pedida, Hew.	....	Ten.		
		phalena, Hew.	....	As.-Up. B.	=harterti, Doh.	
Zarona ..	....	jasoda, DeN.	....	S. B.	=zanella, DeN.	
Cyanroides	....	libna, Hew.	....	Mergui.	=(Logania) ander- soni, M.	

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
LYCÆNIDÆ—contd.		CURETINÆ.				
Curetis	thetis, Drury.	....	S. C.	=? arcuata, M.	The forms of Curetis are puzzling. Of arcuata there is in the B. M. only one male from Malabar, the locality may be wrong; the specimen resembles a small gloriosa. The races of thetis seem well defined; nicobarica female is very distinct, on the forewing there is a small dark yellow patch, on the hindwing a diffused white subcostal patch.
		gloriosa, M.		As.-M.		
		saronis, M.		An.		
		nicobarica, Sw.		Ni.		
		bulis., Db. and Hew.	....	I. P.	.....	C. bulis has not developed into definite races like thetis; malayica with a yellow female seems separate; angulata and discalis are well defined varieties. C. felderi is not Indian.
		(v. angulata, M.)	....		=dentata, stigma- ta, M.; sperthis.	
		(v. discalis, M.)	....		Fd.	
		malayica, Fd.		Rangoon- Ten.		
THECLINÆ.						
ephyrus..	khasia, DeN.	....	As.		
		ataxus, Db. and Hew.	....	Murree- Kum.		
		duma, Hew.	....	Sik-Naga Hill.		
		zoa, DeN.	....	Sik-Naga Hill.;	.....	Major, Tyler at Manipur has recently obtained several specimens of Z. zoa; DeNiceville in his "Butterflies of Sikkim" considered the only specimen then known to be an aberration of duma.
						Z. mandara should, I think, be dropped; The only known specimens are in the United States; it may be an aberration of icana or dohertyi.
						Swinhoe substitutes Ruralis for Zephyrus and calls the sub-family Ruraling.
		letha, Wat.	....	Chin.		
		birupa, M.	....	Simla-Kum.		
		syla, Koll.	....	Chit.-Sik.	=triloka Hannyn- ton.	
		ziha, Hew.	....	Simla- Muss.		
		pavo, DeN.	....	Bhut.		
		icana, M.	....	Simla-Kum.		
		dohertyi, DeN.	....	Simla-Kum.		
Chætoprocta	odata, Hew.	....	Chit.-Kum.		
Euaspa	..	milionia, Hew.	....	Murree- Kum.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
LYCENIDÆ—contd.		THECLINÆ—contd.				
leucycæna.	....	sinensis, Alph.	....	Bal.		
thecla ..	....	sassanides, Koll.	....	Bal.-Chit. Muss. Chit.		
hallophrys.	....	rubi, L. ..	....	Chit.		
satsuma ..	....	leechii, DeN.	....	Khasi H.		
lerda ..	....	sena, Koll.	....	Chit.-Kum.		
		epicles, God.	....	Kum.-Up B.		
		kohmensis, Tytler.	....	Naga-H.		
		tamu, Koll.	....	Chit.-Kum.		
		viridipunc- tata, DeN.	....	Kum.-Sik.	.....	Some Chinese specimens of viri- dipunctata are very like kala.
		kala, Tytler.	....	Naga-H.		
		androcles, God.	....	Kash.-Kum.	.....	The Eastern form of androcles has the green colour of a conspicuously more brassy tint; I propose to call it <i>viridis</i> . I believe that moorei ought to be put as a race of androcles.
		viridis, Ev...	....	As.-Up. B.		
		moorei, Hew.	....	Sik.-Bhut.		
		brahma, M.	....	Kum.-Up.B.	=hybrida, Tyt., a cas ab.	
Chrysopha- nus.	....	phlæas, L.	....	Bal.-Chit.- Kum.	=timeus, Cr., sty- gianus, But.	
		pavana, Koll.	....	Kash.-Kum.		
		solskyi ..	aditya, M. ..	Chit.-Lad.		
		kasyapa, M.	....	Chit.-Muss.		
		caspius ..	susanus, Sw.	Bal.	.....	C. sarthus and transiens, Sid., are races of caspius from Tur- kestan and the Pamirs.
		evansii, DeN.	....	Chit.		
		tseng, Ober.	....	Shan St.	=mandersi, El.	
Aphnæus .. (Cigaritis)..	acamas ..	hypargyr u s, But	....	Cutch, Bal.- Chit.	M....	In Palaearctic regions Aphnæus and Chrysophanus are closely allied.
(Aphnæus).	vulcanus, Fab.	....	....	I		I think that all vulcanus like forms occurring in Ceylon should be regarded as fusca in Ceylon specimens the orange anal patch on the hind- wing below is not extended upwards along the dorsal mar- gin as in continental speci- mens.
		fusca, M. ..	....	C.	=minima, But., a cas ab and greeni Heron, a cas ab.	
		gabriel, Sw.	....	Up. B.	.....	There is a good series of gabriel in the B. M.; it is quite a dis- tinct form and represents vul- canus perhaps in Up. Burma.
		schistacea, M.	....	S.-C.		
		lilacinus, M.	....	U.P.-Malda, Bombay.		
		abnormis, M.	....	S.-C.		
		syama, Hors.	....	Sik.-B. Oris.	=peguana, M.	
		lohita, Hors.	....	Kum.-B. S. C.	=concanus, M.	
		zoilus, M. ..	....	S.		

Genus.	Sub-genus.	Species.	Race.	Locality,	Synonyms, &c.	Notes
LYCÆNIDÆ—contd.		THECLINÆ—contd.				
Aphnæus —contd.	(Aphnæus) —contd.	ictis, Hew.	....	I. C.	rukmini, DeN. an ab.	A. ictis is an extremely variable species and when more mate- rial becomes available I think separate races from the West- ern and Eastern Himalaya and South India might be es- tablished.
			maximus, El.	S. B.		
		nipalicus, M.	....	Muss. Nep.	=zaffra, DeN.	A. nipalicus is allied to liacinus and schistacea; I have seen the type of nipalicus and have no doubt that zaffra is a syno- nym.
			sani, DeN. ..	Sik.-B.	rukma, DeN. an ab.	
ARHOPALINÆ.						
Thaduka ..	....	multicauda, M.	....	Ten. S.	.....	Mr. Bethune Baker (T.Z.S. 1903 gave a revision of this sub- family and I have followed him; I have included the genera Zinaspa and Mota as they seem best placed here.
Mahathala.	(Mahathala). Apporosa).	ameria, Hew. atkinsoni, Hew.	....	Beng. As.- B. Ten.		
Iraota ..	....	timoleon, stoll.	....	I. B.	=mæcenas, Fab.	I am not sure that the South Indian form of timoleon ought not to be called nicevillei.
			nicevillei, But.	C.		
		rochana, Hors.	....	Mergui.		
Amblypoda.	....	anita, Hew.	....	I. B. C. An.	=naradoides, M. I arracana, Cr. S., erichsonii, W. M. and DeN.	I do not think it is worth while to separate anita into races.
			(female v. da- rana, M.)	S. C.		
		narada, Hors.	....	An. Mergui.	=taoocana, ander- soni, M.	
Surendra..	....	queretorum, M.	....	I. B. An.	=biplagiata, But. tatimargo, M.	
			discalis, M.	C.		
		amisenæ, Hew.	....	Ten.		
		florimel, Doh.	....	Ten.	=stimula, DeN.	
Zinaspa ..	....	todara, M.	....	S.	} These two are very close.	
			distorta, DeN.	Sik.-B.		
Mota ..	....	massyla, Hew.	....	Phut.-B.		
Arhopala ..	....	meander ..	constanceæ, DeN.	An.	.....	Moore has divided the Arhopala group into several genera but their adoption as sub-genera even seems useless as the spe- cies run into one another in every direction; even the construction of a key presents great difficulty as whatever character is taken, viz., tails, colour, spots on the underside it seems hopeless to define na- tural groups.
						I have not had time to study this genus as much as I should have liked; the material so far available is very scanty.

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
NYCENIDÆ.—contd.						
ARHOPALINÆ.—contd.						
Arhopala —contd.		centaurus, Feb.	...	E. Kum.-B.	=pirithous, M.	
		pirama, M.	S. C.	S. C.	} These seem } worth separat- ing.	
		coruscans, W.M. & DeN.	An.			
	amantes, Hew.	....	I. G.An.			
		amatrix, DeN.	....	Up. As.-Up- B.		
	camdeo, M.	....	Sik.-B.			
	opalina, M.	....	As.		type seems unique.	
	bazaloides, Hew.	....	As.-B. S.		=bazalus, De N. nec, Hew.	
	albobuncta, Hew.	....	B.			
	alitaeus. ..	mirabella, Doh.	Mergu.			
	mindanen- sis, B.B.	....	Mergui.			
	aida, DeN.	....	S.B.			
	vihara, Fd.	....	Up. Ten.			
	adorea, DeN.	....	Sik.-B.			
	dama, Sw.	....	Ten.			
	apha, DeN.	....	Ten.			
	adatha, Hew.	....	B.			
	silhetensis, Hew.	....	Sik.-B.		=arama, DeN.	
	nicevillei, B.B.	....	Sik..B.			
	anthelus. Db. & Hew.	....	Ten.			
	subfasciata, M.	....	Ten.			
	anarte, Hew.	....	Cach.-B.			
	agaba, Hew.	....	Naga H.-B.			
	zambra, Sw.	....	Ten.			
	selta, Hew.	....	Ten.			
	aroa, Hew.	....	Ten.			
	rafflesii, DeN.	....	Ten.		=pseudomuta, DeN. nec Hew. and amphimuta Dist. nec Fd.	
	atosia ..	aricia, Std...	Ten.			
	epimuta, M.	....	Ten.			
	moolaiana, M.	....	Ten.		=pastorella, Doh.	
	antimuta, Fd.	....	Ten.		=davisonii, DeN	
	hypomuta, Hew.	....	Ten.			
	metamuta, Hew.	....	Ten.			
	oberthuri, Std.	....	Ten.			
	alesia, Fd.	....	An. B.		=wimberleyi, DeN.	
	eumolphus, Cr.	....	Sik-As.		.....	Bethune Baker unites all the races of eumolphus; they are, however, very distinct.
		hellenore, Doh.	As.-B. •		=viridissima, Sw.?	
		farguhari, Dist.	S. B.		=maxwelli, Dist.	

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
LYCÆNIDÆ—contd.		ARHOPALINÆ—contd.				
Arhopala	...	basiviridis,	....	B.		
—contd.		DeN.				
		abseus,	....	Sik.-B.	.....	The Burmese form of abseus may prove to be worth separating when more specimens are available; it is near irregularis, Snell.
		Hew.		N. Kan. C.		
		diardi, Hew.	....	As.-B.		
		fulgida,	....	Sik.-Up. B.		
		Hew.				
		anniella,	....	Ten.		
		Hew.				
		artegal,	...	S. B.		
		Doh.				
		apidanus,	....	B.		
		Cr.				
		ahamus, Doh.		Up As.		
		adriana,	....	Sik.-Up B.		
		DeN.				
		asoka, DeN.	....	Sik.-B.		
		chinensis,	....	Sik.-Up. B.	=mcelleri, DeN. la-	
		Fd.			zula, M.	
		areste,	....	Nep.-As.		
		Hew.				
		bazalus,	....	Sik.-B.	=teesta, DeN. tur-	
		Hew.			bata, But.	
		singla, DeN.	....	Sik.-Up. B.		
		antura, Sw.	....	Ten.	very near vihara	
					or adorea.	
		agrata,	....	S. B.		
		DeN.				
		ædias,	....	B.		
		Hew.				
		agnis, Fd.	....	B.		
		yendava,	....	B.	?=agnis, Fd.	
		Gr. S.				
		khamti,	....	Up. As.		
		Doh.				
		cenea, Hew.	...	Sik.-As.		
		rama, Koll.	....	Kash.-B.		
		atrax, Hew.	....	B.		
		hewitsoni,	....	I. B.	=atrax A n ct nec	
		BB.			Hew.	
		alemon,	....	B.		
		DeN.				
		canaraica,	....	S.		
		M.				
		alea, Hew.	....	I.?	locality doubtful.	
		dodonæa,	....	Chit.-Kum.		
		M.				
		comica,	....	Bhamo.	.....	Bethune Baker places comica as a casual aberration of ddonea, but as dodonæa has never been found east of Kumaon and comica was described from Burma this cannot possibly be the case.
		DeN.				
		paramuta,	...	Nap.-B.		
		DeN.				
		zeta, M. ..	....	An.		
		roona, M. ..	....	An.-Ten.	?=zeta, M.	
		agelastus,	....	Ten.	?=moolaiana M.	
		Hew.				
		Sounguva,	....	B.		
		Gr. S.				

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
LYCÆNIDÆ.— <i>contd.</i> ARHOPALINÆ— <i>contd.</i>						
Arhopala.		perissa,	....	Ten.		
— <i>contd.</i>		Doh.				
		asopia,	....	Ten.		
		Hew.				
		aecta, DeN.	....	Ten.	B.B. considers this to be an ab of asopia.	
		perimuta,	....	Sik.-B.		
		M.				
		belphebe,	....	As.-B.		
		Doh.				
		duessa,	....	Ten.		
		Doh.				
		ammonides,	....	Ten.		
		Doh.				
		birmana, M.	....	S. B.	=arisba, DeN.	
		aberrans,	....	B.		
		DeN.				
		paraganesa,	....	Kum.-Up.B.		
		DeN.				
		zephyretta,	....	Up.-As.		
		Doh.				
		ariel, Doh,	....	Up.-As.		
		ganesa, M.	....	Chit.-Kum.	.....	Watson described a race of ganesa from the Chin Hills in J. B. N. H. S. x. but gave it no name; I propose to call it <i>watsoni</i> . I think ganesa, dodona and rama ought to be placed together.
		watsoni, Ev.	....	Up. B.		
		arvina,	....	Ten.	=abce, DeN.	
		Hew.				
		adala, DeN.	....	Ten.	=adulans, DeN.	
		fulla, Hew.	....	An.		
		andamani-	....	An. Ten.	=subfasciata, M.	
		ca, W. M.				
		& DeN-				
DEUDORIGINÆ.						
Zesius	...	chrysolalus,	....	Malda. Centr. I., S. C.	I have a curious male ab, which is blue above instead of copper.	Bingham includes what I have called the Deudoriginæ with the Theclinae. I am not sure that it would not be preferable to restrict Deudoriginæ for the first portion and place every thing from Thamala onwards in a new sub-family which might be called Myrinae.
Deudoryx.	epijarbas,	....	I. B. C. An.		
		M.		Ni.		
		diara, Sw.	....	Jaintia H.		
		gaetulia,	....	As.-B.		
		DeN.				
		hypargyria,	....	Karen, H.	Elves placed this in Rapala but makes no mention of any secondary sexual characters.	
		El.				
Hysudra	..	selira, M.	....	Chit.-Kum.		
		hades,	....	Ten.		
		DeN.				
Virachola.	isocrates,	....	I. C.		
		Fab.				
		perse, Hew.	....	I. C.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
LYCÆNIDÆ—contd.		DEUDORIGINÆ.—contd.				
Virachola.	smilis, Hew.	....	An.		
—contd.						
Rapala	deliochus, Hew.	....	B.		
		tara, DeN.	....	kum.-As.	=francesia, Sw.	
		sphinx, Fab.	....	Syl.-B.	=nicevillei, Sw. a darker form.	
		scintilla, DeN.	....	Sik.		
		lankana, M.	....	S. C.		
		schistacea, M.	....	I. C.		
		abnormis, El.	....	Karen H.		
		buxaria, DeN.	....	Sik.-Up. B.		
		rosacea, DeN.	....	Sik.-As.		
		nissa, Koll.	....	Kash.-B.	=rectivitta, M. maoulata, Seitz. subpurpurea, Leech.	
		ranta, Sw.	....	Jaintia, H.		
		varuna, Hors.	....	I. B. C. An.	=orseis, Hew. gri- sea and lazulina, M.	Rogersi is much larger than varuna; some specimens from Burma are equally large.
			rogersi, Sw.	Ni.		
		subguttata, El.	....	Karen, H.		
		refulgens, DeN.	....	Khasi H.- Nep.		
		petosiris, Hew.	....	Sik.-B. oriss.		
		suffusa, M.	....	Syl.-B.	=testa, Sw. bar- thema, Dist.	
		melampus, Cr.	....	I. C.		
		jarbas, Fab.	....	Sik.-B.	Seitz as a race of melampus.	
		xenophon, Fab.	....	Beng. As.- B.	=dienece, Hew. damona, Sw.	
			intermedia, Std.	An. Ni.		
Sinthusia	nasaka, Hors.	....	Kangra- As. B.		
			amba, Kirby.			
		chandrana, M.	....	Kum.-Up- B.		
		virgo, El...	....	Sik.-B.		
Listeria	dudgeoni, DeN.	....	Muss.- Bhut.	.....	Listeria is rather a peculiar ge- nus; I am not sure that it would not be better placed in the Theclinae.
Dacalana	vidura ..	burmana, M.	S. B.		
Arrhenotrix.	penicilligera, DeN.	....	As.-B.		
Camena .. (Camena) ..		cotys, Hew.	....	Nep.-B.		
		ctesia, Hew.	....	Kum.-As.		
		argentea, Aurivill.	....	Sik.-B.-S.	=cippus Auct, nec Fab.	
		lectas, Hew.	....	Dalhousie- B.		
		deva, M. .	....	I. B. C.	=lila, M. (?race from N. I).	

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, etc.	Notes.
LYCÆNIDÆ—contd.		DEUDORIGINÆ—contd.				
Amena	(Camenae)	carmentalis, Den.	....	Sik.-B.	.....	I think <i>ister</i> should be dropped, it seems to be a female aberration of <i>cleobis</i> . Swinhoe states that it is the female of what DeN. described as <i>carmentalis</i> ; he may be right but the two insects are very dissimilar. I have a female ab. of <i>cleobis</i> from the Nilgiris very similar to the type of <i>ister</i> in the B.M.
		icetoides, El.	....	Karen, H..		
	(Creon) ..	cleobis, God.	....	I.	= <i>ister</i> , Hew, ? a female ab.	
	(Maneca) ..	bhotea, M.	....	Sik.		
	(Creusa) ..	culta, DeN.	....	As.		
Ops	.. (Ops) ..	ogyges, DeN.	....	Ten.		
		oeta, DeN.	..	Ten.		
		melastigma, DeN.	....	Sik. B.-S.		
	(Britomartis).	cleoboides, El.	..	Sik.-B.		
	(Bullis) ..	buto, DeN.	....	Ten.		
		valentia, Sw.	....	Khasi H.		
Tajuria	.. (Tajuria) ..	longinus, Fab.	....	I. B. C.	= <i>cippus</i> , Fab.	
		jehana, M.	....	I. C.		
		nela, Sw. ..	.....	Jaintia H.		
		diaeus, Hew.	..	Muss-As.		
		thya, DeN.	....	Sik.-As.		
		albiplaga, DeN.	....	Sik.		
		tyro, DeN. ..	....	B.		
	(Remelana),	yajna, Doh.	....	Muss-Bhut.	= <i>istroidea</i> , DeN.	
		megistia, Hew.	....	As.		
		teza, Sw.	....	Jaintia H.		
		thria, DeN.	....	Ten.		
		donatana, DeN.	....	Ten.		
		mantra, Fd.	....	Ten.		
		jangala, ..	ravata, M. ..	Sik.-B.	jangala, Hors., Java.	
			andamanica, W.M. & DeN.	An.		
	(Cophanta),	illurgis, Hew.	....	Muss-B.	.....	There are several specimens of <i>luculenta</i> , Leech (described from Omei Shan) in the B.M. from the Khasi Hills; it is very similar to <i>illurgoides</i> and may be a local race of the latter species; it differs in having a large extent of pale cerulean blue above.
		illurgoides, DeN.	....	Kum.-Up. B.		
		luculenta, Leech.	....	Khasi		
		maculatus, Hew.	....	Sik.-B.S.		
		jalindra ..	indra, M. ..	Sik.-As. Beng. S.		
		tarpina, Hew		An.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
LYCÆNIDÆ—contd.		DEUDORIGINÆ.—contd.				
Hypoclype-na.	...	erylus, Gcd.	....	Sik.-B. An.	=andamana, M.	
		thecloides, Fd.	....	Ten. Ni.		
Chliaria	othona, Hew.	....	Muss.-B. S.		
		kina, Hew.	....	Muss.-B.	=cachara, M., an exact synonym.	
		nilgirica, M.	....	S. C.		
		merguia, Doh.	....	Ten.	=watsoni, Sw.	
Thamala	miniata, M.	....	B.		
Sithon	nedymond, Cr.	....	Ten.		
Araotes	lapithis, M.	....	Sik.-B.		
Biduanda..	thesmia, Hew.	....	Ten.	=fabricia, M.	A number of different Biduandas are recorded from Tenasserim; there are only specimens of melisa and thesmia in the B. M.
		scudderii ..	....	Ten.		
		melisa, Hew.	....	Bhut.-B.		
		cyara, Hew.	..	Sik.		
		nicevillei, Doh.	....	Ten.		
Marnessus.	lysis, Fab.	....	B.	=boisduvalii, M.; M. lysias is recorded from the moorei, Dist. is Nicobars but DeNiceville from the Malay Peninsula considered it to have been an error.	
Suasa	lisides, Hew.	....	As.-B.		
Neocheritra.		amrita, Fd.	....	S. B.		
		fabronia, Hew.	....	Sik.;Up.B.		
Manto ..		martina, Hew.	....	Ten.		
Eoxylides.		tharis, Hüb.	....	B.		
Cheritra ..		freja, Fab.	....	E.Kum.—B.	.....	The Ceylon race of freja differs from jaffra only in size.
		jaffra, But. ..	....	S. C.	=? pseudojaffra M. Ceylon.	
Ticherra ..		acte, M. ..	....	E. Kulu-B.		
Cheritrella.		truncipennis, DeN.	....	Sik.-B.		
Zeltus ..		etolus, Fab.	....	Sik.-B. S.		
Bindahara		phocides, Fab.	....	Beng. As.-B. An.	=ines Sw. (Andamans).	
		areca, Fd. ..	....	Ni.	=kamorta, Fd.	
		sugriva .. moorei, Fruh.	....	S. C.	sugriva, Hors, Java.	
Loxura ..		atymnus, Cr.	....	N. I. B. Ni.		
		surya, M. ..	....	S.		
		arcuata, M. ..	....	C.		
		prabha, M. ..	....	An.		
Yasoda ..		tripunctata, Hew.	....	Sik.-B.		
Ritra ..		auraea, Druce.	....	Ten.		
Neomyrina.		hiemalis, God. & Salv.	....	Ten.		
Drina ..		donina, Hew.	....	B.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonymy, &c.	Notes.
LYCÆNIDÆ—contd.		DEUDORIGINÆ—contd.				
harana ..		mandarinus, Hew.	....	Sik.-B. An.		
chera	cephais, DeN.	....	Cachar. Sik-B.		
		eryx, L. ..	....		
		skinn eri, W.M. and DeN.	....	Cachar-Khasi.		
atapecilma.	elegans, Druce.	....	Muss.-B.S. C.		
		subochracea, El. delicatum, DeN.	....	Karen, H. Sik.		
athinda..	amor, Fab..	....	As.-Oriss, S. C.		
oraga	onyx, M. ..	....	Dalhousie. B. Oriss. S. C.		
		cingalensis, M.	....	Sik.-B	=sikkima, M.	H. moulemeina only differs from onyx in being ochreous below instead of dull brown.
		moulmeina, M.	....		
		rana, DeN.	....	An.	=andamana, M.	
		viola, M. ..	....	Kangra-Sik. S. An.		
		albimaculæ, W. M. and DeN.	....		
LIPHYRINÆ.						
iphya	brassolis, Wd.	....	Sik. B.		
HESPERIIDÆ.		HESPERIINÆ.				
orthoptus.	phanæus, Hew.	....	B.	.....	The Hesperiidæ have been arranged in accordance with Elwes and Edwards revision (T.Z.S. 1897); the Ismeninæ have been separated as done by Mabille in the Macrolepidoptera. I have given a full synonymy.
		lalita, Doh.	....	B.		
		hidderdali, El.	....	Bhut.		
capila	jayadeva, M.	....	Sik.-B.		
		zennara, M.	....	Sik.-B.	The S. Burma form differs slightly.	
calliana	pieridoides, M.	....	Bhut-As.		
crossiura..	pennicillatum, DeN.	....	As.		
hantana	infernus, Fd.	....	C.		
achalarus.	bifasciatus, liliana, Atk..	....	As.B.	bifasciatus, Leech, China.	
		casyapa, M. ..	....	Kash-Kum.		
charmion..	fulnea, Hew.	....	B.	=signata Druce, leucographa, Pl.	
celænorhinus.	pero, DeN.	....	Kangra-As.		
		pulomaya, M.	....	Kangra-As.	=lucifera, Leech.	
		aspersa, Leech.	....	As.-B.	=clitus, DeN.	
		ambareesa, M.	....	Beng.-As.		
		flavocincta, DeN.	....	Bhut.		
		sumitra, M.	....	Sik.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
HESPERIIDÆ - contd.		HESPERIINÆ - contd.				
Celaenorrhinus.	pyrrha, DeN.	....	Kum.-B.	=patula, plagifera, DeN.: pluscula, Leech.	Pyrrha seems a good species differing from sumitra in having prominent discal spots on the hindwing above; sumitra is a good deal larger and only bears a series of marginal spots on the hindwing.
		maculicornis, El. & Ed.	....	As.		
		leucoœera, Koll.	....	I. B. An.	=putra, M., leucocircœa, El.	
		munda, M.	....	Kulu-Sik.		
		spilothyrus, Fd.	....	Sik.-S. C.	=ruficornis, Mab.? area, Plötz.	
		fusca, Hamp.	....	S.	.....	C. fusca can easily be separated from spilothyrus by the chequered cilia.
		chamunda, M.	....	Sik.-Up. B.		
		nigricans, DeN.	....	Kulu.-B.		
		asmarata, But.	....	As.-B.	=cacus, consertus, DeN.; goto, Mab. palajava, Std.	
		dhanada, M.	....	Muss. B.		
		andamanica, W.M. and DeN.	....	An. Ni.		
		zea, Sw. ..	....	Khasi H.		
		affinis, El. and Ed.	....	As.-B.		
		aurivittata, M.	....	As.-B.		
		badia, M. . .	....	Sik.-As.		
Cnaiolade	indrani, M.	....	Muss.-B	.....	C. tissa is the plain form of indrani; some specimens of indrani from Burma are very pale.
		tissa, M.	..	Beng. Cetr. I.-S.C.	=lankae, Pl.	Sikkim specimens of dan are very light, but the species is extremely variable.
		dan, Fab. . .	....	Kash.-B. S.	=fatih, Koll; cacus, Lat.; dea, Leech; dichroa, Pl.	
		laxmi, DeN.	....	Sik.-B.		
		agni, DeN.	....	Sik.-B.		
		agnoides, El. & Ed.	....	As.		
		buchananii, DeN.	....	Up. B.		
		hamiltoni, DeN.	....	As.		
Tapena	thwaitesi, M.	....	Oriss.-B. C.		
		minuscula, El. & Ed.	....	B.		
		hampsoni, El. & Ed.	....	S.		
Ctenoptilum.	vasava, M.	....	Muss.- B.		
		multiguttata, DeN.	....	B.		
Odontoptilum.	angulata, Fd.	....	I.-B.	=sura, M.	
		pygeia, Hew.	....	S.B.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
HESPERIIDÆ—contd.		HESPERIINÆ—contd.				
Caprona	ransonnet- tii, Fd.	....	I.-C.	=taylorii, DeN.	C. saraya is almost certainly a variety of taylorii the d. s. f. of ransonnettii. I have specimens agreeing with saraya from the Dun. C. alida and ransonnettii seem to run into one another. There is a specimen in the B. M. marked 'kuki, Bing., Looshai Hills, to be described in part III Butterflies, Fauna of India'; until more specimens are obtained it should be regarded as an ab. of alida.
				alida, DeN...	Up.-B.	kuki, Bing., an ab.
		syriethus, Fd.	....	I. B.	=agama, M., elwe- sii, Wat.	I have caught specimens of syriethus in the Palni Hills smaller than elwesii, Wat.
Tagiades	helferi, Fd.	....	Ni.	=noctis.	
		ravi, M.	..	Beng. Sik- B. An.	.....	The form khasiana of ravi, with more or less white on the hindwing below is merely seasonal.
		alica, M. ..	....	Cash-As.- B. An.	=athos, Pl.; mee- tana, M.	The alica-gana group is rather confusing. T. alica was described from the Andamans and is inseparable from athos, Pl. from Sylhet; meetana, M. is from Tenasserim and is rather paler. T. distans (= ? obscurus Mab, Java) was described from Calcutta and differs somewhat from alica, the translucent spots on the forewing are prominent and the upper black discal spot on the hindwing below is well separated from the lower spots and not in line with them. T. gana was described from Java and only differs from alica in having a large snow white area on the hindwing above. Indian specimens are smaller; there are in the B. M. specimens of gana from Ceylon, which ought, I suppose, to be referred to distans. I have placed alica distans and gana as separate species following Elwes, but I think that they will eventually prove to be races of a single variable species.
		distans, M.	....	Beng. S. C.	= ? obscurus, Mob.	
		gana, M. ..	....	Sik.-B.	=menanto, Pl. ?	
		lavata, But.	....	Ten		
		atticus, Fab.	....	I. B. C. an.	=menaka, M.; calli- gana, But.; litigi- osa, Mosch.	
		nana, El. & Ed.	....	As.-B.		
		dealbata, Dist.	....	As.-B.		
		trichoneu- ra, Fd.	....	Syl.-B.	} doubtfully separate.	
		pralaya, M.	....	Sik.-B.		
		pinwilli, But.	....	As.-B.		
		tabrica, Hew.	....	Sik.	? race or ab of pm- willi.	

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
HESPERIIDÆ—contd.		HESPERINÆ—contd.				
Satarupa	gopala, M..	....	Sik.-B.		
		bhagava, M.	....	Sik.-B. Oriss. S. An.		
		andamania, W M & DeN.	....	Sik. B.	=? diversa, Leech.	S. diversa is recorded from Assam; it is very near narada and may be the Chinese race; all the Assam specimens I have seen of this variable form are narada.
		phisara, M.	....	Sik.-B.		
		sambara, M.	....	Sik.-As.	=corinna, Pl.	
		dohertyi, Wat.	....	Muss. Kum.		
		affinis, Druce.	....	B.	=cognata, Druce and? niphetes, Weymer.	
Odina	decoratus, Hew. ortygia, DeN.	....	Syl.-B. Ten.		
Darpa	hanria, M.	....	Muss.-As.		
Sarangesa.	purendra, M. sati, DeN.	....	Kulu-Kum. Centr. I-S. Cutch.C.P.?		
		dasahara, M. albicilia, M.	....	Kangra.- B. Centr. S. C.	=sezendis, Pl.	
Carcharodus.	althææ, Hüb.	....	Bal.-Chit.	=marrubii, H.S.; boeticus, Ramb.	
		alceæ, Esp.	....	Bal.-Chit.- Kash.	=malvarum, God.; dravira, M.; swinhoei, Wat.	
Hesperia	galba, Fab.	....	I. B. S.	=superna, M.; evanidus, But.	H. evanidus does not seem separate from galba; zebra seems quite distinct.
		zebra, But.	....	Punjab.	=hellas, DeN.; nanus, Trimen.	
		orbifer, Hub.	....	Chit.	.....	Chitral specimens of orbifer are near lugens, Std., Thian Shan, a variety not given in Elwes and Edwards; the species is extremely variable and runs into sao Berg.
		phlomidis.	geron, Wat ..	Bal.	phlomidis, H. S., Asia Minor.	
		poggei, Led.	....	Bal.		
		alpina, Ersch.	....	Chit.	.....	Typical alpina occurs in Chitral; Kashmir specimens have all the markings very reduced; the two forms were both described in 1874.
		cashmirensis, M.	....	Kash.-Kum.	=durwazica, Cr.	
Thanaos	marloji, Bal.	....	Chit.	.....	Chitral specimens of marloji are much darker than those in the B. M. from other localities.
Gomalia	albofasciata, M.	....	Kangra-S. C. Bal. Sindj	=littoralis, Swin.	

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
HESPERIIDÆ - contd.		PAMPHILINÆ.				
Pamphila	avanti, DeN.	....	Kum.Sik.		
		dieckmani, Gräser.	....	As.-Up. B.	=demea, Oberer; gemmatus, Leech.	
Baracus	vittatus, Fd.	....	C.		
		subditus, M.	....	S.		
			Septentrionum, WM. & DeN.	Sik.-B.	.....	The so called septentrionum recorded from the Nilgiris is really the d. s. f. of subditus.
		hampsoni, El. & Ed.	....	S.		
sancus	pulligo, Mab.	....	Cach.-B.S.	=ulunda, forensis, kethra, Pl.; subfasciata, M.	
Astictop- terus.	olivascens, M.	....	Kum.-B. Beng. S.	=chinensis, Leech; melania, Pl.	A, jama, Fd., Sumatra, is a very obscure form; Felder compared it with Aeromachus indistincta and the female type is said to = koruthalios butleri female.
		henrici, Bil.	....	As.-B.	=kada, Sw. ? nubilus, Mab.	
korutha- lialos.	xanites, But.	....	B.		
		rubecola, Plötz.	....	Naga B. ..	=hector, Wat.; gemmifer, But.; palawites, Std.	
		butleri, WM. & DeN.	....	Sik.-B.		
Suada	swerga, DeN.	....	Sik.-B.		
Suaustus	gremius, Fab.	....	I. B. C.	=raika, Pl.; subgrisea and divodasa, N.; robsonii, DeN., an ab.	Robsonii is merely a starved aberration of gremius; I have a specimen from Jabalpur and two dwarfed specimens of gremius (also from Jabalpur) rather near robsonii.
		aditus, M.	....	Sik.-B. Beng.-An.	=sala, El. and Ed.; nec, Hew.	S. aditus is usually put as a synonym of sala, Hew.; sala is, however, a very different form and put here under Pedestes.
		bipunctus, Sw.	....	S.		
		minuta, M.	....	C.	=sinhalus, Pl.;	
Taractroce- ra.	maevius, Fab.	....	I. B.	=flaccus, Fab.; sa- gara, M.	The Ceylon form of maevius has not the veins on the hindwing below conspicuously pale as in continental specimens.
		danna, M.	....	Simla-As.		
		ceramas, Hew.	....	S.	=silhetica, Pl.	
		nicevilliei, Wat.	Bombay ..		=coras, Auct; nac, Cr.	
		oberthuri, El. & Ed.	Trichinopoly- Ani- malai H.	Up. B.		
		atropunctata, Wa.	....	Ten.	.....	T. archias is rather like A. maro above, and below like T. dara.
		archias, Fd.	....	B.	=mæsooides, Std.; luzonensis, Mab.	T. ziclea is exactly like small specimens of T. dara that have no black spotting below; the only difference is the antennæ which in ziclea have a spatulate club, yellow coloured below; in dara the club is all black and has a terminal crook.
		ziclea, Pl.	....	B.		
Ampittia	maro, Fab.	....	I. B. C.	dioscoroides, Fab.; camerta, M.; lynx, Mösch; palemonides, Pl.	
		maroides, DeN.	....	Ten.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
HESPERIIDÆ—contd.		PAMPHILINÆ—contd.				
Jambrix	salsala, M.	....	Sik.-B, S.C.	=luteipalpis, Pl.	
		stellifer, But.	....	B.		
Ochus	subvitta- tus, M.	....	Kum.-Up.B.	=subradiatus, M.	
Aeromachus,	stigmata, M.	....	Kangra-As.	....	There are practically no speci- mens of Aeromachus in the B. M. collection.
		discreta, Pl.	....	As.-B.		
		ihora, DeN.	....	Sik.-B.		
		dubius, El. & Ed.	....	S.		
		indistincta, M.	....	B.-S.	=pygmæa, M.	
		obsoleta, M.	....	As.		
		kali, DeN..	....	Sik.-B.		
Sebastony- ma,	dolopia, Hew.	....	Sik.-B.		
Pedestes	masurien- sis, M.	....	Muss.-Sik.		
		pandita, DeN.	....	Sik.-As.		
		sala, Hew.	....	Cachar.	=submaculata, Std. B. S.	I was always under the impres- sion that sala was the same species as aditus, but on exam- ining Hewitson's type found it to be what has usual- ly been called submaculata. sala was described in Suastus Elwes and Edwards place submaculata in Platingia and DeNicville put the latter in Pedestes in his list of the N. Kanara butterflies. I defer to DeNicville's opinion but in general appearance sala is ver- like Suastus gremius: it can be easily distinguished from gremius by the spotted apex of the forewing below.
Isma	protoclea, Hs.	....	S. B.	=iapis, DeN.	
Hyarotis	adrastus, Cr.	....	I. B. C.	=praba, M.; phoeni- cis, Hew.	
Arnetta	vindhiana, M.	....	Centr. I. S.	=nilgiriana, modes- ta, M.	
		atkinsoni, M.	....	Sik.-B.	=subtestaceus, kha- sianus, M.	
		binghami, Sw.	....	S. B.		
Itys	microstic- tum, WM. & DeN.	....	Cachar.		
Zographes- tus.	satwa, DeN.	....	Kum.-B.		
		flavalum, DeN.	....	Sik.		
		ogygia, Hew.	....	Sik.-B. S.	=flavipeunis, DeN, d. s. f.	
		maculicor- nis, El. & Ed.	....	B.	? very near if not= P. sala, Hew.	
Scobura	phiditia, Hew.	....	B.	=martini, El. and Ed.	S. phiditia is usually placed in Suastus, but as it is generally believed to be the male of Scobura martini, I think it is better placed here.
		cephala, Hew.	....	Sik.-B.	=isota, Sw.	
		cephaloi- des, DeN.	....	As.-B.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms; &c.	Notes.
ESPERIIDÆ—contd. PAMPHILINÆ—contd.						
cerbas	anthea, Hew.	....	Ten.	=tagiadoides, Mab.	
trionota	thrax, L. ..	....	Duu.-B.	=lara, Sw.	E. acroleuca is given from Assam to Burma as well as from the Andamans, but continental specimens differ somewhat and are best regarded as small varieties of thrax.
				An.	=hiraca, M.	
		acroleuca, WM. & DeN.	....	B.	=attina, M; latreil- lei, Fd; cruda, HS.; anitta, Pl.	E. batara was formerly placed in a separate genus, Unkana.
judicitia	pholus, DeN.	....	Bhut.-As.		
angara	thysis, Fab.	....	Sik.-B.	=pandia, M.	
aduka	lebaëa, Hew.	....	Beng.-S. C. Sik.-B. C.	=glandulosa, Dist.; subfasciata, M.; andamanica, WM. & DeN.	
atapa	aria, M. ..	....	I. B. C. An.		
		purpurascens, El. & Ed.	....	As.-B.		
		druna, M...	....	Sik.-B. An.	=pulla, Pl.	
		sasivama, M.	....	Sik.-B.		
		shalgama, DeN.	....	Sik.-B.		
erana	diocles, M.	....	Kum.-B.		
timula	swinhoei, El. & Ed.	....	As.-B.	.....	S. swinhoei was first put in the genus <i>Watsonia</i> but the latter name was found to be preoccupied.
Pirdana	hyela ..	rudolphii, El. & DeN.	Sik.-B.	hyela, Hew.; Malay Penin.	
		distanti, Std.	....	B.	=pavona, DeN.	
Plastingia	callineura, Fd.	....	B.		
		margherita, DeN.	....	As.-B.	? a race of callineura.	
		corissa, Hew.	....	Ten.	=drancus, Pl.; lato- nia, Std.; indrasa- na, El. & DeN.	
		noemi, DeN.	....	Sik.-B.		
		naga, DeN.	....	As.-B.	=? tessellata, Hew.	
		idyalis, DeN.	....	S.B.	Placed by DeN. in Isma.	
Lorongus	calathus, Hew.	....	S.B.	=maculatus, Dist.; parthenope, Weym.; aliena, Std.; zala- tes, sarus, Mab.; traviata, Pl.	
		zeus, DeN.	....	As.-B.		
		avesta, Hew.	....	B.	tamiata, Std.	
		sarala, DeN.	....	As.		
Creteus	cyrina, Hew.	....	Sik.-B.	=parca, DeN.; me- leagrina, Std.	
Zea	taprobanus, Pl.	....	? C.	=mythodes DeN.	
Hidari	irava, M. ..	....	B.	=hypcepa, Hew.	
		bhawani, DeN.	....	B.		

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
HESPERIIDÆ--contd. PAMPHILINÆ--contd.						
Pithanria.	murdava	....	Sik.-B.	I have a spotless ab. of this.	
		M. straminei- pennis, WM. & DeN.	....	Sik.-B.		
		aitchisonii, WM. & DeN.	....	Cachar.-B.	=glauca, Std.	
Oerane	neara, DeN.	....	S.-B.		
Notocrypta.	feisthame- lii, Edl.	....	I.B.C.	=curvifascia, Fd. N. restricta is often regarded as a different species from feis- thameli but I think they should be united.	
		paralyos, WM. & DeN.	....	An.	? a race of feistha- meli.	
		basiflava, DeN.	....	S.		
		monteithii, WM. & DeN.	....	cachar.-B.	=singularis, Mab.	
Udaspes	folus, Cr.	....	I.B.C.		
Actinor	radians, M.	....	Chit.-Dun.		
Cupitha	purrea, M.	....	Sik.-B.	=tympanifera, M; Oriss. S. An. lycorias, Mab.	
Augiades	subhyalina, Br. & Gr.	....	As.		
		siva. M. ..	....	As.-B.		
		brahma, M.	....	Muss.-Kum.	? a race of siva.	
Telicota .. (Telicota)..		augias, L.	....	I. B. An.	.....	I have here followed Elwes as regards the synonymy of dara but with considerable doubt; De Niceville and Watson both placed mæsoides and pseudmæsa as separate species occurring with dara. Kollar's type specimen came presumably from the W. Himalayas, and is probably exactly the same as mæsa M., Kunawur, the small pale form, pale yellow below spotted with black. T. pseudomæsa is from Ceylon and is very like dara differing only in being a dark yellow orange below; it may be a race of dara but is not a distinct species. T. mæsoides was described from a Malacca specimen in poor condition with no antennæ it is like dara but darker, below it is dark yellowish red and the marks are not defined with black; there are similar specimens from South Burma in the B. M. I have not seen the types of the other "species" described. In the B. M. and in my own collection two forms stand out, a small form agreeing with the types mentioned and a large form whose name I do not know, but at present I do not see my way to do anything than consider all the Indian specimens as belonging to dara.
		bambusæ, M.	....	I. B. C.	=pythias, Mab.	
		palmarum, M.	....	Beng.-B. An.-Ni.	=chrysozona, Pl.	
(Padraona).		concinna, El. & Ed.	....	S.		
		gola, M. ..	....	Sik.-B. Oriss. S. C.	=goloides, M.; akar, Mab.; locus, alfurus, fabriolata, Pl.	
		rectifasci- ata, El. & Ed.	....	An. Sik.-B.		
		dara, Koll.	....	I. B. C. An.	=mæsa, M.; mæsoides, pseudomæsa, But.; haterus, Semp.; sunias, Fd.; flava, nitida, taxilus, trachala, zebra, Mab.; nala, zattilla, Pl.	

Genus.	Sub-genus	Species.	Race.	Locality.	Synonyms, &c.	Notes.
IESPERIIDÆ—contd.		PAMPHILINÆ—contd.				
alpe	..	zema, Hew.	....	Sik.-B.	=ormenes, Pl.	
		cerata, Hew.	....	Sik.-B.		
		astigmata, Sw.	....	S.		
		hyrie, DeN.	....	Bhut-As.		
		kumara, DeN.	....	Sik.-Bhut.		
		knyvetti, El. & Ed.	....	Sik.		
		moorei, Wat.	....	Muss.-B. Beng.-S.An.	=teliga, Sw.	H. moorei is probably a race of ceylonica.
		ceylonica, M.	....	Oriss.-S.C.		
		homolea, Hew.	....	Sik.-B.	=marta, a u c m a, Sw.; pala we a, Serup.	
		sikkima, M.	....	Sik.-As.	=wantona & pera- ra, Sw.	H. sikkima with its unchequered cilia is different to homolea: the Assam form (wantona) seems rather smaller.
		hyrtacus, DeN.	....	S.	.....	There are some specimens belonging to Halpe in the B. M. from Ceylon and South Burma which belong to undescribed species but being only single specimens I do not think that they ought to be described until more are obtained.
		egena, Fd.	....	C.	=brunnea, Pl.	
		fusca, El ..	....	B.		
		sitala DeN.	....	S.		
		evershedii, Ev.	....	Palni H.		
		gupta, DeN.	....	Garhwal. As.		
		debilis, El. & Ed.	....	As.		
		aina, DeN.	....	Garhwal. As.		
		separata, M.	....	Kum. As.		
		albipectus, DeN.	....	Shau St.		
		masoni, M.	....	B.		
		honorei, DeN.	....	S.		
		decorata, M.	....	C.		
		ornata, Fd.	....	Cachar.		
uryza	..	meiktila, DeN.	....	B.		
ton	..	watsoni, DeN.	....	B.		
		semamora, M.	....	Sik.-B.	=barea, Hew.	
Parnara	.. (Baoris)	oceia, Hew.	....	Sik.-B. Beng Centr. I. C. Au.	=farri, penicillata, scopulifera, M.; sikkima, Sw.; unicolor, M.	
	(Milena)	plebeia, DeN.	....	Muss.-B. Oriss. S.	=mormo, Mab,	Plebeia, the only Parnara with a tuft of hair on the underside of the forewing deserves to be placed in a separate subgenus for which I propose the name Milena. Swinhoe's Caltoris does not seem worth retaining.

Genus.	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.
HESPERIIDÆ—contd. PAMPHILINÆ—contd.						
Parara (Chapra) .. —contd.		brunnea, Snell.	....	B.	=coere, DeN.; so- dalis, Mab.	
		prominens, M.	....	Kangra.-B. Centr. I. S.	=midea, Walker; sinensis, Mab.; si- millis, Leech.	
		mathias, Fab.	....	I. B. C. An.	=thrax-Led; julia- nus Lat; larika, Pag; agna, sub- ochracea, chaya, M., balarama, ella, Pl.	
(Parara) philippina, HS.			S. C.	=seriata, M.	P. philippina and kumara a very close to one another their genitalia were found to be different by Elwes and E wards.
		kumara, M.	....	Sik. B. Beng.-S.C.	=saruna, Pl.	
		canaraica, M.	....	S.	.....	P. canaraica seems to be the only member of this group with spots on the hindwing below; the type female in the B.M. really belongs to conjun- ta I think.
		auroclivata, El. & Ed.	....	Sik.		
		pagana, DeN.	....	Sik. B. Beng-	.....	The group pagana—chakra, & flying together, are difficult recognise; pagana has a sp in 8 on the forewing; chakra on the forewing below has suffused black discal patch moolata is very like auster the former is deep warm brow below and the latter da chestnut.
		moolata, M.	....	As.-B.	=dravida, Mab, fe- male onchisa, Sw.	
		austeni, M.	....	Sik.-B.S.C.	=male onchisa, Sw.	
		chakra, M.	....	An. B.-An.		
		toona, M. . .	...	Kum.-B. S.	soortea, contigua (?), Mab.; Kolan- tus, Pl.; pellu- cida, Mur.?	The Assam form of toona h whiter spots, rather like pell cida, the Chinese race.
		eltola, Hew.	....	Kangra.-B.		
		discreta, El. & Ed.	....	Sik.-B.	.....	P. contigua, Mab. was put as synonym of toona by Elw but the specimens arrang over this name in the B.M. & the Javan form of conjuncta
		guttatus, Br. & Gr.	....	Chit.-As.	=sifa, wambo, nan- do, Pl., mangala, M.; fortunei, H.S.	
		bada, M. . .	....	I. B. C.	philotas, DeN, an ab.=haga, Pl. intermedia, H. S.	
		colaca, M. . .	....	I. B. C. An. NI.	=cingala, M.; ure- jus, Pl.	
		bevani, M.	....	I. B.	=? flexilis, Sw.; thyone, Leech.	
		assamensis, WM. & DeN.	....	Muss.-As.	=abie, Pl.	
		conjuncta, HS.	....	I. B. C. An.	javana, Mab.; na- roca, M.; alica, Pl.	
		uma, DeN.	....	B.	I have not seen this.	
		tulsi, DeN.	....	Sik.-Up.B.	=jolando, Pl.	

Genus	Sub-genus.	Species.	Race.	Locality.	Synonyms, &c.	Notes.		
ESPERIIDÆ—contd.		PAMPHILINÆ—contd.						
Eogenes	..	alcides	..	lesliei, El.	..	Chit.	.....	In the B.M. there are several specimens, caught by me in Chitral, placed as Arnetta lesliei, El.; they are, however, very close to Eogenes alcides, differing in being darker, rarely having any cell spot in 1a on the forewing and in often having a discal spot on the hindwing below.
Eogenes	..	nostrodamus, Fab.	....	Bil.-Chit.-Dun. Panj.	=pumilio Hoff.; lefebrii, Kumb.; pygmaeus, Hüb.; karsana, M.			
Gynnis	..	comma	..	dimila, M.	..	Chit.-Muss.	.....	Ladak specimens of dimila are very pale.
ISMENINÆ.								
Ismena	..	ataphus, Wat.	....	Kangra-B. C.	=consobrina, Pl.; ?ædipodea, M.			I. ædipodea from Java has the body and bases of the wings above sprinkled with metallic blue green scales.
		tuckeri, El. & Ed.	....	Ten.				
		mahintaha, M.	....	Cachar-B.				
		jaina, M.	.....	Muss.-B.				
				fergusonii, DeN.		S.		
		etelka, Hew.	....	B.				
		harisa, M.	....	Sik.-B.				
		anadi, DeN.	....	Muss.-As.				
		vasutana, M.	....	Kum.-As.				
		amara, M.	..	Sik.-Up, B.				
		gomata, M.	....	Sik.-S.	lorquinii, Mab.			
Rhopalocampa	...	benjaminii, Guer.	....	Kangra-B. S. C.	.....			Mackinnon in Mussoorie found that R. benjaminii has 2 forms of larva and Elwes (P.Z. S. 1891) pointed out that there seemed to be 2 forms of the imago, one with the green colour confined to the base, and the other green all over; this difference appears to be merely sexual and no further evidence seems forthcoming as to whether there are one or two species under this name.
		crawfurdi, Dist.	....	Ten.	=electra, Std.			
Badamia	..	exclamationis, Fab.	....	I. B. C. An. Ni.	=ladon, Cr., thymbron, Fd.			
Bibasis	..	sena, M.	....	I. B. C.				
Hasora	..	chuza, Hew.	....	As.-B.				
		coulteri, WM & DeN.	....	Cachar.				
		chabrona, Pl.	....	Sik.-B. S.				
		butleri, Aurivill.	....	I. B. C.	chromus, Auct, nec, Cr.			
				malayana, Fd.	An.-Ni.			
		chromus, Cr.	....	B. S. C.	alexis, M.			
		simplicissima, M. ab.	....	B.	=philetas, Pl.			
		anura, DeN.	....	Sik.-As.				
		badra, M.	....	Sik.-B.S.C.	quadripunctata, Mab.			

Postscript.

During a recent visit to Calcutta, I had an opportunity of examining the DeNicéville's collection and would like to make the following notes:—

Neptis melba.—There is a single specimen of this species in DeNicéville's collection labelled by him "*Neptis nyctea*, female type." I have examined the genitalia of my two specimens and find that they are both males. I believe DeNicéville's specimen is also a *melba*. The genitalia of *melba* differ from those of *narayana*, and *manasa* (= *nyctea*). In this connection it may be remarked that Oberthür, in "Etudes," 1906 (October), states that he has eleven specimens of *nyctea* and three of *manasa* from Sikkim: he considers that *nyctea* is a white marked race of *thisbe*, Leech (China) and that *manasa* is distinct species, the Chinese form of which he describes as *narcissina*.

Melitea trivra mixta.—DeNicéville has labelled the specimens of this race, that I sent him, as "*mercea*, DeNicéville," but I do not think that he ever published a description of *mercea*.

Lycæna deranica gracilis.—Similarly DeNicéville has labelled this "*lysias*," but I have seen no description.

The range of *Dilipa morgiana* is given as 'Kulu.—Up. B', it should be "Murree—Up. B". Also the range of *Dodona egeon* should be "Kash—B" instead of "Kash.—As."

Errata in Part I.

P. 561, near top, "camaralzaman, But. and "crameri" to be shifted up one line: "crameri" should be opposite "bremeri."

P. 563, line 9, for "Philareta" read "Philarcta."

P. 564, line 6 from end, for "bolancica" read "bolanica."

P. 566, line 5, "drypetis, Hew.," to be shifted down one line, so as to be in the same line as "... S. Oriss."

P. 570, line 13 from end, for "diadernoides" read diademoides."

P. 571, line 18, for "Croweay" read "Crowley."

P. 574, lines 7 and 8 from end, omit "eleanor, Fruh. S.B." and "pardalis, M. Mergui."

P. 577, line 4 from end, "columella. Cr." to be shifted down one line so as to be in the same line as "Dun—Up. B."

P. 578, line 7, "harita, M." to be shifted down one line so as to be in the same line as "E. Beng—B."

P. 573, line 10, "anjana, M." to be shifted to the left into the "species" column.

P. 578, line 9 from end, omit "ananta, M. . . . Chamba—B."